Pro/09

```
           RAW SEQUENCE LISTING            DATE: 03/21/2002
           PATENT APPLICATION:  US/09/831,744    TIME: 18:35:51

           Input Set : A:\PTO.AMC.txt
           Output Set: N:\CRF3\03212002\I831744.raw


      3  <110> APPLICANT: Analytica Ltd
      5  <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER
      7  <130> FILE REFERENCE: 2404732/EJH
      9  <140> CURRENT APPLICATION NUMBER: US 09/831,744
C-->  10  <141> CURRENT FILING DATE: 2002-01-25
     12  <150> PRIOR APPLICATION NUMBER: US 60/108,254
     13  <151> PRIOR FILING DATE: 1998-11-12
     15  <160> NUMBER OF SEQ ID NOS: 45
     17  <170> SOFTWARE: PatentIn version 3.0
     19  <210> SEQ ID NO: 1
     20  <211> LENGTH: 202
     21  <212> TYPE: PRT
     22  <213> ORGANISM: Notechis scutatus
     24  <400> SEQUENCE: 1
     25  Met Lys Ser Leu Gln Ile Ile Cys Leu Leu Phe Val Leu Val Ala Arg
     26  1               5                   10                  15
     28  Gly Ser Cys His Ser Cys Glu Ile Cys His Asn Leu Gly Arg Asp Cys
     29              20                  25                  30
     31  Glu Thr Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
     32          35                  40                  45
     34  Thr Val Leu Met Glu Val Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
     35      50                  55                  60
     37  His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu Arg Phe Asp
     38  65                  70                  75                  80
     40  Ile Asn Ile Gly His Asp Ser Tyr Leu Arg Gly Arg Ile His Cys Cys
     41              85                  90                  95
     43  Asp Glu Ala Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser
     44              100                 105                 110
     46  Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Val Phe Ser Val
     47          115                 120                 125
     49  Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
     50      130                 135                 140
     52  Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Phe Pro Gly Asp Ile Ala
     53  145                 150                 155                 160
     55  Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Arg Leu Ser
     56              165                 170                 175
     58  Asn Arg Thr His Glu Glu Asp Arg Asn Gly Leu Ile Lys Val Glu Cys
     59              180                 185                 190
     61  Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu
     62          195                 200
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     65  <211> LENGTH: 202
     66  <212> TYPE: PRT
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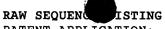
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,744

DATE: 03/21/2002
TIME: 18:35:51

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03212002\I831744.raw

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69  <400> SEQUENCE: 2
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73  Gly Ser Cys His Ser Cys Glu Ile Cys Arg Asn Phe Gly Lys Asp Cys
74              20                  25                  30
76  Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
77          35                  40                  45
79  Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
80      50                  55                  60
82  His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
83  65                  70                  75                  80
85  Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
86                  85                  90                  95
88  Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Pro Ser
89              100                 105                 110
91  Leu Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
92          115                 120                 125
94  Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
95      130                 135                 140
97  Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala
98  145                 150                 155                 160
100 Tyr Asn Ile Thr Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser
101                 165                 170                 175
103 Asn Arg Thr His Ala Glu Arg Arg Asn Ala Leu Ile Thr Leu Asp Cys
104             180                 185                 190
106 Thr Asp Ala Ser Lys Ile Ala Pro Ser Glu
107         195                 200
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 609
111 <212> TYPE: DNA
112 <213> ORGANISM: Oxyuranus microlepidotus
114 <220> FEATURE:
115 <221> NAME/KEY: CDS
116 <222> LOCATION: (1)..(606)
118 <400> SEQUENCE: 3
119 atg aaa tcc cta cag atc atc tgt cct ctt ttc gtt ttg gta gcc aga        48
120 Met Lys Ser Leu Gln Ile Ile Cys Pro Leu Phe Val Leu Val Ala Arg
121 1               5                   10                  15
123 gga agc tgt cgc tca tgt gaa att tgt cac aat ttt gga aaa gat tgc        96
124 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys
125             20                  25                  30
127 gag agt gag gag gca gag gaa tgt gcc tct cca gaa gat caa tgt ggc       144
128 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
129         35                  40                  45
131 aca gtg ttg ctg gag att tca tca gca cct att tcc ttc cga tcc att       192
132 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
133     50                  55                  60
135 cat agg aac tgt ttc tca tcc agc ctc tgc aaa ctt gaa cac ttt gat       240
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136 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
137 65              70              75              80
139 ata aat att gga cat gat tcc tat gtg aga gga aga atc cac tgt tgt    288
140 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
141             85              90              95
143 gat gaa gaa agg tgt gaa gca cag caa ttt cct gga ctg ccc ctc tcc    336
144 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser
145             100             105             110
147 ttt cca aat gga tac cac tgc cct ggc att ctt ggt gca ttc tca gtg    384
148 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
149             115             120             125
151 gac agc tct gaa cat gaa gct att tgc aga gga acc gaa acc aaa tgc    432
152 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
153         130             135             140
155 att aac ctt gcg gga ttc aga aaa gaa aga tat cct gta gac atc gct    480
157 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala
158 145             150             155             160
160 tat aat atc aaa ggt tgc act tct tct tgt cca gaa ctg aag ttg agc    528
161 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser
162             165             170             175
164 aat aga act cac gaa gaa cgt aga aat gat cta ata aca ctt gaa tgt    576
165 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys
166             180             185             190
168 aca gat gcc tcc aaa att aca cct tcc gaa taa                        609
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170         195             200
172 <210> SEQ ID NO: 4
173 <211> LENGTH: 202
174 <212> TYPE: PRT
175 <213> ORGANISM: Oxyuranus microlepidotus
177 <400> SEQUENCE: 4
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179 1               5               10              15
181 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys
182             20              25              30
184 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
185         35              40              45
187 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
188     50              55              60
190 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
191 65              70              75              80
193 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
194             85              90              95
196 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser
197             100             105             110
199 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
200             115             120             125
202 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
203         130             135             140
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RAW SEQUEN⬤ISTING   DAT⬤ 03/21/2002
PATENT APPLICATION: US/09/831,744   TIME: 18:35:51

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\03212002\I831744.raw**

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205 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala
206 145             150             155             160
208 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser
209             165             170             175
211 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys
212             180             185             190
214 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu
215         195             200
217 <210> SEQ ID NO: 5
218 <211> LENGTH: 28
219 <212> TYPE: PRT
220 <213> ORGANISM: Notechis scutatus
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (16)..(16)
225 <223> OTHER INFORMATION: X = any amino acid
227 <400> SEQUENCE: 5
228 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn Thr Xaa
229 1             5             10             15
231 Thr Lys Thr Cys Asp Ala Asn Gln Asp Thr Cys Val
232             20             25
234 <210> SEQ ID NO: 6
235 <211> LENGTH: 14
236 <212> TYPE: PRT
237 <213> ORGANISM: Notechis scutatus
239 <400> SEQUENCE: 6
240 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn
241 1             5             10
243 <210> SEQ ID NO: 7
244 <211> LENGTH: 5
245 <212> TYPE: PRT
246 <213> ORGANISM: Notechis scutatus
248 <400> SEQUENCE: 7
249 Ala Leu Ser Tyr Lys
250 1             5
252 <210> SEQ ID NO: 8
253 <211> LENGTH: 19
254 <212> TYPE: PRT
255 <213> ORGANISM: Notechis scutatus
257 <400> SEQUENCE: 8
258 Ser Cys Gly Thr Ser Asp Thr Cys His Leu Asn Tyr Val Glu Thr Thr
259 1             5             10             15
261 Pro His Asn
263 <210> SEQ ID NO: 9
264 <211> LENGTH: 18
265 <212> TYPE: PRT
266 <213> ORGANISM: Notechis scutatus
268 <400> SEQUENCE: 9
269 Thr Cys Asp Ala Asn Gln Asp Thr Cys Val Thr Phe Gln Thr Glu Val
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,744

DATE: 03/21/2002
TIME: 18:35:51

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03212002\I831744.raw

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270 1                 5                 10                15
272 Ile Arg
274 <210> SEQ ID NO: 10
275 <211> LENGTH: 8
276 <212> TYPE: PRT
277 <213> ORGANISM: Notechis scutatus
279 <400> SEQUENCE: 10
280 Ala Pro Val Thr Leu Gly Leu Ile
281 1                 5
283 <210> SEQ ID NO: 11
284 <211> LENGTH: 10
285 <212> TYPE: PRT
286 <213> ORGANISM: Notechis scutatus
288 <400> SEQUENCE: 11
289 Glu Cys Thr Glu His Leu Val Ser Cys Arg
290 1                 5                 10
292 <210> SEQ ID NO: 12
293 <211> LENGTH: 13
294 <212> TYPE: PRT
295 <213> ORGANISM: Notechis scutatus
297 <400> SEQUENCE: 12
298 Phe Trp Asn Val Leu Glu Asp Val Glu Val Asp Phe Lys
299 1                 5                 10
301 <210> SEQ ID NO: 13
302 <211> LENGTH: 29
303 <212> TYPE: PRT
304 <213> ORGANISM: Notechis ater
306 <400> SEQUENCE: 13
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308 1                 5                 10                15
310 Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
311              20                  25
313 <210> SEQ ID NO: 14
314 <211> LENGTH: 29
315 <212> TYPE: PRT
316 <213> ORGANISM: Notechis ater
318 <400> SEQUENCE: 14
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320 1                 5                 10                15
322 Glu Thr Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
323              20                  25
325 <210> SEQ ID NO: 15
326 <211> LENGTH: 5
327 <212> TYPE: PRT
328 <213> ORGANISM: Notechis ater
330 <400> SEQUENCE: 15
331 Ile Thr Pro Ser Glu
332 1                 5
334 <210> SEQ ID NO: 16
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RAW SEQUENCE LISTING   DATE: 03/13/2002
PATENT APPLICATION: US/09/831,744   TIME: 15:12:52

Input Set : A:\13030.SEQ.txt
Output Set: N:\CRF3\03132002\I831744.raw   **Does Not Comply**
                                            Corrected Diskette Needed

     3 <110> APPLICANT: Analytica Ltd
     5 <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER
     7 <130> FILE REFERENCE: 2404732/EJH
     9 <140> CURRENT APPLICATION NUMBER: US 09/831,744
©   10 <141> CURRENT FILING DATE: 2002-01-25
    12 <150> PRIOR APPLICATION NUMBER: US 60/108,254
    13 <151> PRIOR FILING DATE: 1998-11-12
    15 <160> NUMBER OF SEQ ID NOS: 45
    17 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

   775 <210> SEQ ID NO: 45
   776 <211> LENGTH: 57
   777 <212> TYPE: DNA
   778 <213> ORGANISM: Notechis ater
   781 <400> SEQUENCE: 45
   782 atgaaatccc tacagatcat ctgtcttctt ttcgttttgg tagccagagg aagctgt   57
E--> 794 (1)

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/831,744

DATE: 03/13/2002
TIME: 15:12:53

Input Set : A:\13030.SEQ.txt
Output Set: N:\CRF3\03132002\I831744.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:794 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:57 SEQ:45

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/831,74[■]

CRF [Processing] Date: 3/21/2002
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was wrapped down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: Th above corrections must b communicated to th applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95